

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: Mark Dinsmore  
Title: OPTICALLY DRIVEN THERAPEUTIC RADIATION SOURCE  
HAVING SPIRAL SHAPED THERMIONIC CATHODE  
Appl. No.: 10/790636  
Filing Date: March 1, 2004  
Examiner: Thomas, Courtney D.  
Art Unit: 2882  
Confirmation Number: 6535

**AMENDMENT AND REPLY UNDER 37 CFR 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated August 6, 2007, concerning the above-referenced patent application.

In addition, Applicant hereby petitions the Commissioner under 37 C.F.R. §1.136(a) for a two-month extension of time to make the attached response timely.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks/Arguments** begin on page 9 of this document.

Please amend the application as follows: